

**Notice of Allowability**

Application No.

10/716,368

Examiner

Marissa J. Detschel

Applicant(s)

FARMIGA ET AL.

Art Unit

2877

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed February 15, 2006.
2. ☒ The allowed claim(s) is/are 1-18, 21-25 and 27-43.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

Gregory J. Lockey, Jr.  
Supervisory Patent Examiner

**DETAILED ACTION**

***Response to Amendment***

The amendment filed on February 15, 2006, has been fully considered by the Examiner. In view of the amendment filed, the rejection of Claim 9 under 35 U.S.C. 112, 2<sup>nd</sup> paragraph has been withdrawn.

***Examiner's Reasons for Allowance***

Claims 1-18, 21-25, and 27-43 are allowed over the prior art of record.

The following is an examiner's statement of reasons for allowance:

As to claim 1, the prior art of record, taken alone or in combination, fails to disclose or render obvious a multi-beam probe that utilizes two measuring beams, the second associated with a beam adjuster, that directs the second measurement beam from the probe body to various compound surfaces of a test object through variable angles, in combination with the rest of the limitations of claim 1.

As to claim 21, the prior art of record, taken alone or in combination, fails to disclose or render obvious a multi-beam probe utilizing first and second measuring beams for measuring difference compound surfaces of a test object that includes an adjustable deflector body associated with the second measuring beam that supports a plurality of reflective facets capable of being inclined with respect to each other to reflect the second measuring beam at different angles, in combination with the rest of the limitations of claim 21.

As to claim 27, the prior art of record, taken alone or in combination, fails to disclose or render obvious a multi-beam probe that utilizes two measuring beams, the first being inclined by a fixed reflector with respect to a reference axis, and a second being inclined by an adjustable deflector, wherein the first is inclined through a fixed angle in an axial plane including the

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reference axis, and the second is inclined through a range of angles in the same axial plane, in combination with the rest of the limitations of claim 27.

As to claim 28, the prior art of record, taken alone or in combination, fails to disclose or render obvious a multi-beam probe utilizing first and second measuring beams including an adjustable beam deflector that inclines the second measuring beam with respect to the first measuring beam through a range of angles to measure a series of compound surfaces of a test object, wherein the adjustable beam deflector includes a deflector body that is removable from the probe body and re-mountable in a different angular orientation to change the inclination of the second measuring beam, in combination with the rest of the limitations of claim 28.

As to claim 31, the prior art of record, taken alone or in combination, fails to disclose or render obvious a system for interferometrically measuring compound rotational surfaces of a test object with an adjustment mechanism within a probe that varies the inclination of the second measuring beam for measuring a compound rotational surface, in combination with the rest of the limitations of claim 31.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

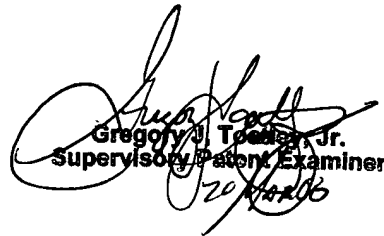
### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marissa J. Detschel whose telephone number is 571-272-2716. The examiner can normally be reached on M-F 8:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory J. Toatley, Jr. can be reached on 571-272-2059. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Marissa J Detschel  
March 13, 2006  
MJD

  
Gregory J. Toatley, Jr.  
Supervisory Patent Examiner  
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